

DATA SHEET

PARLÉ™ ABC 2500

CONFERENCE AUDIO BAR



Parlé™ ABC 2500 is an all-in-one conferencing bar featuring Biamp Audio Intelligence to deliver premium audiovisual experiences for small and medium conference rooms. With integrated AEC and NRD, the ABC 2500 uses a 27-element mic array and Biamp Beamtracking™ technology to actively track and intelligently mix conversations from around the room. Two smart speakers use distortion compensation and dynamic bass enhancement technology to create room filling audio with superior speech reproduction. The ABC 2500 also features Biamp Launch, an automated tuning system that optimizes the audio to each unique conference space.

Parlé ABC 2500 can be plugged directly into a UC System with a single USB connection or can be paired with a Devio™ SCR-10 for a BYOD system.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- Deep learning noise reduction algorithm for clear voice reproduction
- Low distortion smart speakers
- Biamp Launch for one touch automatic tuning
- LED indications for mute status
- Table, wall, and display mount options available
- Certified for Microsoft Teams and Zoom

ARCHITECTS & ENGINEERS SPECIFICATION

The conferencing audio bar shall be designed to work with soft codec conferencing systems. The conferencing audio bar shall include a twenty-seven element digital microphone array. The conferencing audio bar microphones shall offer multidirectional beamforming and automatic signal tracking capabilities. The Beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with US Patent 9659576. The conferencing audio bar shall have two low distortion speakers. The conferencing audio bar shall include dynamic bass enhancement and distortion compensation technology. The conferencing audio bar shall support an automated audio setup process that optimizes audio output levels after physical installation is complete. The conferencing audio bar shall be mountable on a tabletop, wall, or display. The conferencing audio bar shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be three years. The conferencing audio bar shall be the Parlé™ ABC 2500.

PARLÉ ABC 2500 SPECIFICATIONS

MICROPHONES Microphone Technology: 27-Element Digital Array Frequency Response (100 Hz - 8 kHz): -10dB Polar Pattern: Active Beamformed Pickup Range (25dBA noise floor): > 23 feet (7 m) SNR (@ 1kHz, 94dB SPL, A-Weighted): 69 dB Maximum SPL (@ 1kHz, THD < 10%): 130 dB Indicators: Mute Indicator (Green/Red/Off LEDs) Sensitivity (@ 1Pa): > -37dBFS ± 1dB Microphone Data Rate Output: 48 kHz Audio Processing: AEC (Acoustic Echo Cancellation) Noise Reduction: AI filter		Interfaces USB 3.0: 1x Type C
LOUDSPEAKERS Frequency Response (57 Hz - 20 kHz): -10 dB Nominal Beamwidth (H x V): 180° x 180° Transducers: 2x 2.5 in (60 mm) full range Rated Maximum SPL (@ 1m): 90 dB (continuous) 96 dB (peak) Sensitivity (@ 1m, 2.83V): 84 dB THD (@ 1kHz): < 0.2% Nominal Impedance: 4Ω Continuous Rated Power (6 dB crest factor, HPF @ 60 Hz): 20W Sampling Rate: 48 kHz		Power Sources USB-C: 60W External Power Supply: 100-240VAC 50/60Hz (12VDC, 4.74A)
		Overall Dimensions Height: 3.9 inches (100 mm) Width: 37 inches (940 mm) Depth: 2.5 inches (64 mm) Weight: 9.6 lbs (4.4 kg)
		Environmental Operating Temperature: 32 - 104° F (0 - 40° C) Humidity: 0-90% (non-condensing) Altitude: 0-10,000 ft (0-3000m) MSL
		Compliance: FCC Part 15B (USA) CE Marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

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